

Table 5-9. Concentration of COCs Detected in Area D Subsurface Soils (Page 1 of 2)

Analyte	# of Samples Collected	# of Detections	Range of Detections	Mean ^{1/} Value	Median ² Value	Standard ^{3/} Deviation
Dioxin/Furan as 2,3,7,8-TCDD (TEQ) (ng/kg)	1	1	11.26	na	na	na
TOC (%)	2	2	1.1-2.08	1.59	1.59	0.69
Metals (mg/kg)						
Arsenic	3	3	5 C-8 C	6.2	5.5	1.6
Barium	3	3	48-49	48.7	49	0.6
Chromium	3	3	64-75	70	70	5.5
Copper	3	3	38-61	46	40	12.7
Lead	3	3	3-38C	26.2	37.5	20.1
Nickel	3	3	32-44	38.8	40.5	6.2
Zinc	3	3	54.5-7.75	67	68	11.6
PAH as benzo(a)pyrene (TEQ) (mg/kg)	3	3	0.05-0.46	0.19	0.05	0.24
Gasoline (GRO) (mg/kg)	1	1	7	na	na	na
Diesel (DRO) (mg/kg)	2	2	257 O-7900 O	4,078	4,078	5,404
Oil (RRO) (mg/kg)	2	2	1670-5440	3,525	2,991	2,637
EPH (mg/kg)						
Acenaphthene	2	1	1.4	na	na	na
Acenaphthylene	2	1	1	na	na	na
C10-C22 Aromatics	2	2	135-1200X	667.5	667.5	753.1
C19-C36 Aliphatics	2	2	850-3800	2325	2325	2085.9
C9-C18 Aliphatics	2	2	25-3500	1762.5	1762.5	2457.2
VPH (mg/kg)						
C5-C8 Aliphatics	1	1	1.11X	na	na	na
C9-C10 Aromatics	1	1	9.5	na	na	na
C9-C12 Aliphatics	1	1	24	na	na	na
Naphthalene	1	1	1.5	na	na	na
VOCs (µg/kg)						
4-Isopropyltoluene	3	1	120 C	na	na	na
Acetone	3	3	30 J-400 C	157	40	211
1,2,4-Trimethylbenzene	3	1	70 JC	na	na	na
1,3,5-Trimethylbenzene	3	1	210 C	na	na	na
Isopropylbenzene	3	1	7J C	na	na	na
Methylene chloride	3	2	6 J-20 JC	9.2	6	9.6
Naphthalene	3	1	180 C	na	na	na
sec-Butylbenzene	3	1	30 JC	na	na	na
Xylenes (total)	3	1	20 JC	na	na	na

Table 5-9. Concentration of COCs Detected in Area D Subsurface Soils (Page 2 of 2)

Analyte	# of Samples Collected	# of Detections	Range of Detections	Mean ^{1/} Value	Median ^{2/} Value	Standard ^{3/} Deviation
SVOCs (mg/kg)						
2-Methylnaphthalene	3	1	0.8 J	na	na	na
Anthracene	3	1	0.07 J	na	na	na
Benz(a)anthracene	3	1	0.1 J	na	na	na
bis(2-ethylhexyl)phthalate	3	2	0.06 EJ-0.1 EJ	0.1	0.1	0.1
Chrysene	3	1	0.1 J	na	na	na
Fluoranthene	3	1	0.1 J	na	na	na
Fluorene	3	1	0.07 J	na	na	na
Naphthalene	3	1	0.2 J	na	na	na
Phenanthrene	3	2	0.4-2 J	0.8	0.4	1.05
Pyrene	3	2	0.5 J-0.5	0.34	0.5	0.3

Notes: TEQ = Toxicity equivalency quotient

MRL = Method reporting limit

C = The MRL is elevated because the sample required diluting.

O = Quantitated as diesel. The sample contained an oil component that partially eluted in the diesel range.

J = Estimated concentration

E = Estimated concentration

X = Excludes target PAHs

na = not applicable

1/ Sample arithmetic mean. Includes non-detect data assigned one-half the MDL.

2/ Sample median. Includes non-detect data assigned one-half the MDL.

3/ Sample arithmetic standard deviation. Includes non-detect data assigned one-half the MDL.